

Title (en)

System for contactless temperature measurement on rotors

Title (de)

Anordnung zur berührungslosen Temperaturmessung an Rotoren

Title (fr)

Agencement destiné à la mesure de la température sans contact au niveau des rotors

Publication

**EP 1793214 B1 20170614 (DE)**

Application

**EP 06023138 A 20061107**

Priority

DE 102005057641 A 20051202

Abstract (en)

[origin: EP1793214A1] The device has a rotor with a shaft (201) and a disk-shaped part (202), a stator and ferro-magnets (204) arranged on the rotor. Electrical coils (205, 206) are arranged at the stator, and an electronic medium for measuring a signal voltage (207) at the electrical coils. A voltage induced in the electrical coils by the ferro-magnets is measured as the signal voltage. The electronic medium is designed such that the induced voltage is converted into a temperature proportional signal.

IPC 8 full level

**G01K 7/38** (2006.01); **G01K 13/08** (2006.01)

CPC (source: EP US)

**G01K 7/38** (2013.01 - EP US); **G01K 13/08** (2013.01 - EP US)

Citation (examination)

- DE 4133365 A1 19931014 - INNOTECH MICROELECTRONIC GMBH [DE]
- GB 1359574 A 19740710 - DAVALL SONS LTD S SOMERVELL R, et al

Cited by

CN102403666A; DE102008037157A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 06023138 A 20061107**; DE 102005057641 A 20051202; JP 2006323804 A 20061130; US 60101606 A 20061116